



Reveille for UiPath

Technical Overview

2026

Reveille 

1 Reveille for UiPath Technical Overview

Reveille for UiPath provides agentless application management testing and monitoring capabilities to ensure the continued health and productivity of the UiPath platform. The UiPath solution provides over 65 pre-built, out-of-the-box tests that exercise the critical points of the UiPath platform, ensuring peak RPA workflow processing availability. This eliminates the inconsistent manual dashboard observation of your RPA platform health. Over 90 RPA dashboard metrics are included as key performance indicators (KPIs) that can be tracked over time to provide an at-a-glance view of historical RPA system operating performance such as RPA robot operating health, RPA platform service levels, RPA license status, RPA operating KPI's, and RPA management console user activity. This broad coverage delivers active and preventive monitoring to avoid red level issues for UiPath environments, improve robot process visibility, and provide granular intraday UiPath threshold-based metrics for real-time management decision making. Reveille conditionally triggers proactive capabilities to reduce RPA processing bottlenecks, redrive repository connections, and can execute PowerShell based recovery scripts to restart RPA required services.

The Reveille platform offers AI machine learning (ML) algorithms to predict dynamic thresholds for reduced alerts from workload variations. The Reveille platform supports the model context protocol (MCP) for communication with AI assistants and AI agents.

The Reveille for UiPath includes the ability to actively monitor the UiPath target applications such as web apps, mainframe apps, databases, etc. are available and responsive before robot execution and reducing process workflow error recovery needs. Agentless monitoring can be extended using Reveille infrastructure wizards for additional database, REST or web services based applications, file movement, docker, and server (PowerShell) component testing capabilities. Reveille has over 25+ connectors available to share the Reveille gathered information across the enterprise with common SIEM's (such as Splunk) and event/incident management (ServiceNow) using over Reveille 150 REST endpoints.

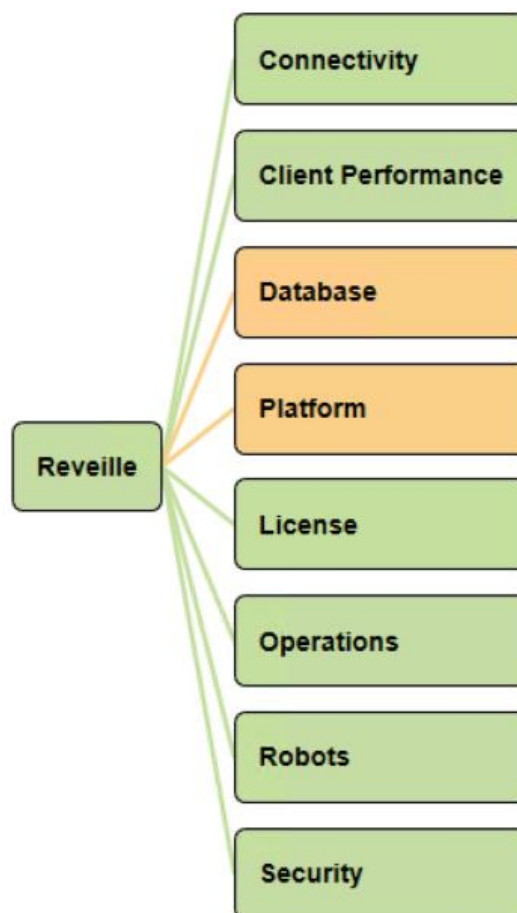


Figure 1: UiPath RPA Monitor

Reveille for UiPath also supports the following common content services used within organizations:

- SharePoint Online (SPO)
- Hyland OnBase
- OpenText or IBM or Kofax Capture
- Key Business Applications (CRM, ERP, Vertical Focused Apps)

Reveille's intelligent automation coverage of over 25 content services and automation platforms provides a full single view of the content services environment and the related business critical applications with Reveille as the key management component for a digital based intelligent automation solution. Reveille, with its agentless design, can rapidly provide the overall visibility, management, and active security for the UiPath platform and related content services products.

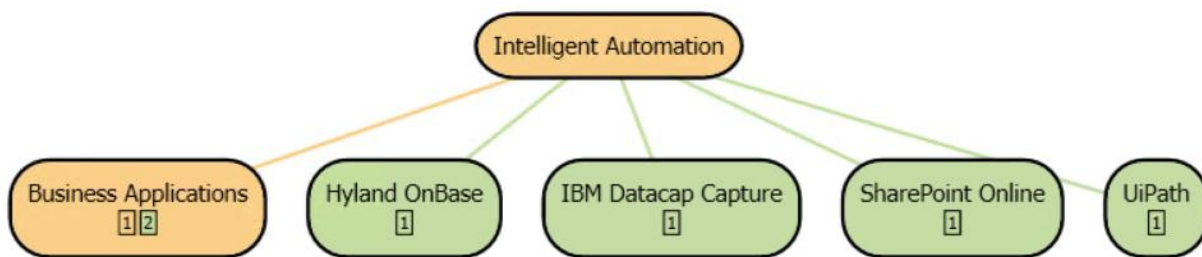


Figure 2: Intelligent Automation Platforms Group View

1.1 UiPath RPA 'Out of the Box' Component Test Coverage

1.1.1 Connectivity (RPA platform machines available)

- Check connectivity of Orchestrator Server
- Check connectivity of Database Server
- Check connectivity of Insight Service Server
- Check connectivity of Insight Looker Service Server
- Check connectivity of Elastic Search Server
- Check connectivity of Shared Storage Server

1.1.2 Database (RPA database available)

- Check UiPath SQL Server Service
- Check UiPath Database
- Check UiPath Database Size
- Check UiPathIdentityServer Database
- Check UiPathInsights Database
- Check UiPathTestAutomation Database
- Check UiPathTestManager Database
- Check UiPathUpdateServer Database
- Check UiPathIdentityServer Database Size
- Check UiPathInsights Database Size
- Check UiPathTestAutomation Database Size
- Check UiPathTestManager Database Size
- Check UiPathUpdateServer Database Size
- Check UiPath Databases TLog Backup
- Check UiPath Database Deadlocks/sec
- Check UiPath Database Active Transactions
- Check UiPath Database Failed Jobs
- Check UiPath SQL Server User Connections

- Check UiPath Database Active Alerts

1.1.3 Platform (RPA platform can process work)

- Check UiPath Health Status
- Check UiPath Robot Process Services
- Check UiPath Server Free Space
- Check UiPath Server Memory
- Check UiPath Server CPU
- Check UiPath Web Server App Pool Memory Usage
- Check UiPath Get Access Token
- Check UiPath Orchestrator API Status
- Check UiPath OpenID Connect Discovery endpoint
- Check UiPath API Documentation Access
- Check UiPath Log File Size
- Check UiPath Execution Log File Currency
- Check UiPath Execution Log File Errors
- Check UiPath Automation Log File Errors
- Check UiPath Studio Log File Errors
- Check Windows Event Log for UiPath Orchestrator events
- Check Windows Event Log for UiPath Identity Service events

1.1.4 Operations (RPA server operating health)

- Check UiPath Robots by Robot Type
- Check UiPath Machine Sessions
- Check UiPath Users
- Check UiPath Entities
- Check UiPath Process Types
- Check UiPath Releases
- Check UiPath Folders

- Check UiPath Machines
- Check UiPath Queue Items

1.1.5 Clients (RPA clients availability)

- Check UiPath Orchestrator Login
- Check UiPath Identity Login
- Check UiPath Insight Login
- Check UiPath TestManager Login
- Check UiPath ActionsManager Login

1.1.6 Licensing (RPA licensing status)

- Check UiPath License
- Check UiPath Machine License

1.1.7 Robots (RPA robot processing)

- Check UiPath Robots Run Time
- Check UiPath Robots Errors
- Check UiPath Robot Run Cycle

1.1.8 Security (RPA Management Console user activity)

- Check UiPath Audit Log
- Check Suspicious Transactions for UiPath
- Check Failed Transactions for UiPath
- Check Unusual Transaction Activity for UiPath

2 UiPath RPA Dashboard Metrics

The dashboard metric capabilities expand Reveille's agentless application monitoring into measurement of operational key performance indicators (KPI's). Reveille monitors can gather UiPath KPI's for display and reporting in UiPath dashboards. The dashboard functionality includes the ability to track site and server exception thresholds exposing high risk areas such as service delivery attainment, operational efficiency, and compliance issues with UiPath. Additional metrics can be defined and added based on your requirements.

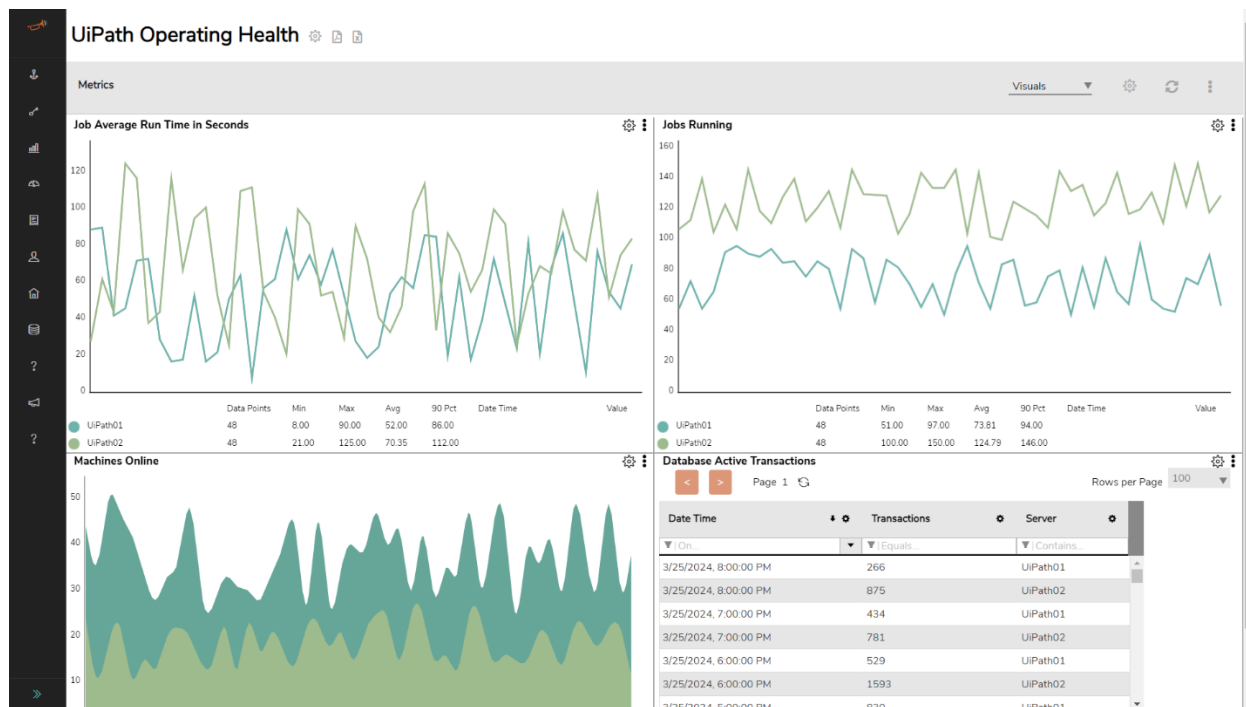


Figure 3: UiPath Dashboard Metrics

Dashboard metrics view can be created for multiple metric combinations. The above example shows UiPath robot performance compared with the RPA machine and database activity. This information is helpful for understanding UiPath system operations and capacity.

Metrics are included for:

- Tracking of UiPath robot activity
- Tracking of UiPath job performance
- Tracking of UiPath server performance
- Tracking of UiPath database health
- Tracking of UiPath management console suspicious activity

The pre-packaged UiPath metrics enable the quick configuration of robust metric definitions using a wizard-based approach.

Metric Manager

Filter by

Name (93)	Enabled	Date Modified	Description
UiPath.Orchestrator.FirstByte	Yes	3/21/2024 4:04:27 PM	Time in seconds for response first byte
UiPath.Orchestrator.Overall	Yes	3/21/2024 3:14:19 PM	Time in seconds for complete login and logoff session
UiPath.Orchestrator.REST.AccessT...	Yes	3/21/2024 4:04:01 PM	Time in seconds for access token response
UiPath.REST.AuditLog.EntryCount	Yes	3/21/2024 11:48:17 PM	Audit log entries count
UiPath.REST.Job.AvgRunTime	Yes	3/22/2024 1:15:54 AM	Average job run time in seconds
UiPath.REST.Job.FailedCount	Yes	3/22/2024 1:15:45 AM	Failed job count
UiPath.REST.Job.MaxRunTime	Yes	3/22/2024 1:16:52 AM	Maximum job run time in seconds
UiPath.REST.Job.MinRunTime	Yes	3/22/2024 1:16:40 AM	Minimum job run time in seconds
UiPath.REST.Job.PendingCount	Yes	3/22/2024 1:16:31 AM	Pending job count
UiPath.REST.Job.ResumedCount	Yes	3/22/2024 1:16:19 AM	Suspended job count
UiPath.REST.Job.RunningCount	Yes	3/22/2024 1:16:07 AM	Running job count
UiPath.REST.Job.StoppedCount	Yes	3/22/2024 1:15:30 AM	Stopped job count
UiPath.REST.Job.StoppingCount	Yes	3/22/2024 1:15:18 AM	Stopping job count

Evaluations

Schedule	Failure Status	Description
	Warning	Error Message: Metric <%=MetricName%> failed with a value of <%=MetricValue%>

Figure 4: Reveille Metric Manager

The metrics are easy to create thus saving time and money. The out-of-the-box metrics comparisons include:

- Maximum or Minimum
- Numeric Range
- Percentage or Absolute Change
- Average
- Dynamic Thresholds from Machine Learning Forecast
- Number of Occurrences
- Last N Times
- Visual Basic (VB) .NET expressions

Once defined and initiated, the Hyland monitors will evaluate metric thresholds and send a notification if a threshold violation occurs. The evaluation results are stored in a metrics database and presented to users via online web reporting.

The screenshot shows a dialog box titled "Metric - UiPath.REST.Job.MaxRunTime" with three tabs: "Metric", "Evaluations", and "Values". The "Evaluations" tab is active. It contains a "Failure Status" dropdown set to "Warning" and an "Error Message" text box with the placeholder "Metric <%=MetricName%> failed with a value of <%=MetricValue%>". Below these are several checkboxes for evaluation criteria: "Schedule", "Attribute Filter", "Test Expression", "Test Min Value", "Test Max Value", "Test Dynamic Threshold Min Value", "Test Dynamic Threshold Max Value" (checked), "Test Average Value" (checked), "Test Change In Value", "Test Occurrences", and "Test Last N Times". The "Test Average Value" section includes a "Use Global Percentage" checkbox (checked), an "Allow Percentage Above" spinner set to 0, and a "Test Average Value" spinner set to 0.000, with the unit "minute(s)". A yellow warning box at the bottom states: "Test Average Value. If set, the Evaluation will fail if the average Metric values over the specified time range is greater than the specified average value." At the bottom right are "OK" and "Cancel" buttons.

Figure 6: Metric Evaluation Definition

3 UiPath User Analytics

Beyond operating KPI's, Reveille dashboards have out of the box visuals for understanding UiPath REST and Identity console user activity and user behavior. Reveille gathers this information using patented collectors to provide the following:

- Continuously observe the actual based user RPA management console experience.
- Rapidly identify RPA management console user response time service level issues.
- Detect suspicious or abnormal user behavior indicating a possible RPA Administration system access breach from insider threats.
- Detect, respond, and contain RPA system administration intrusions with leading endpoint detection solution integration options such as Microsoft Defender for EndPoint.

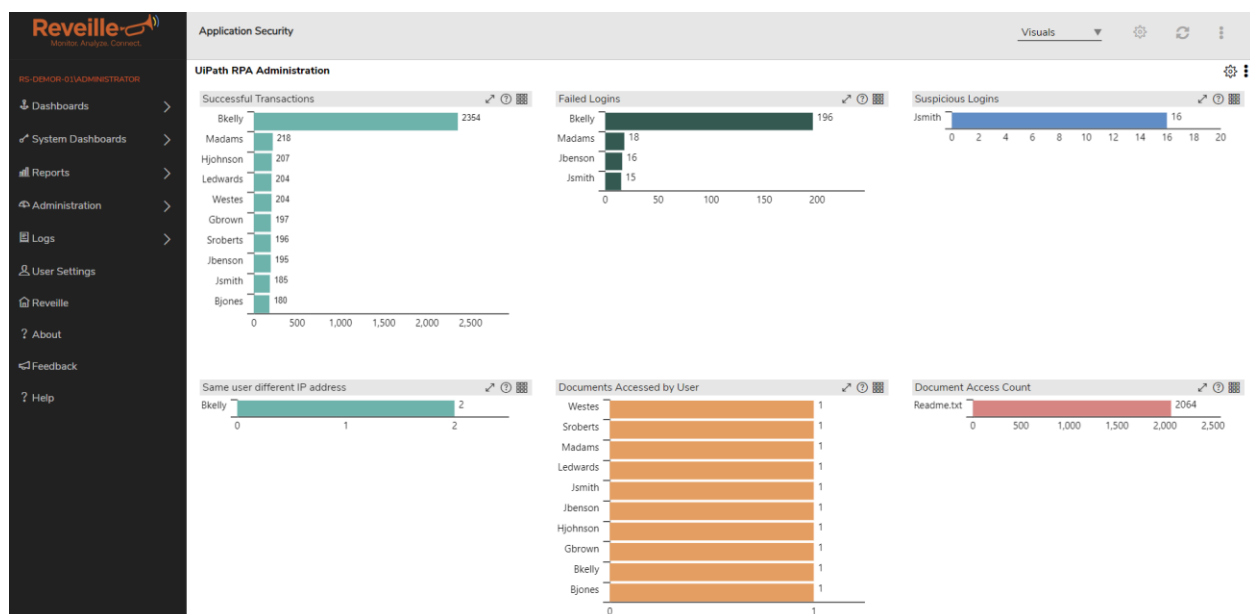


Figure 7: UiPath Management Console Application Security Dashboard

UiPath REST									
All Transactions for All Users All Repositories since 3/24/2024 12:00 AM Sorted by Start Time Descending									
Viewing Page 1	Rows per Page: 500								
Start Time	User ID	Client IP	Client Port	Server IP	Server Port	Duration	Transaction	Custom Fields	
+	3/25/2024 21:16:31.593	E189b830-0740-48Ab-B84a-81Cde4420969	65140		80	5.077	Authenticate	GrantType: client_credential Scope: OR.Machines OR.Robots OR.cense OR.Monitoring OR.AdR.Queues OR.Tasks	
+	3/25/2024 18:35:51.943	E189b830-0740-48Ab-B84a-81Cde4420969	55634		443	0.076	Jobs	Filter: (CreationTime ge 2024-03-25 18:35:51.943) Count: 0	
+	3/25/2024 18:35:49.677	E189b830-0740-48Ab-B84a-81Cde4420969	55634		443	0.128	Machine Sessions	Filter: (ReportingTime ge 2024-03-25 18:35:49.677) Count: 7	
+	3/25/2024 18:35:46.710	E189b830-0740-48Ab-B84a-81Cde4420969	55634		443	0.26	Get License Runtimes	RobotType: Unattended Count: 2	
+	3/25/2024 18:35:43.727	E189b830-0740-48Ab-B84a-81Cde4420969	55634		443	0.053	Get License Stats	TenantId: 2 Days: 30	
+	3/25/2024 18:35:31.797	E189b830-0740-48Ab-B84a-81Cde4420969	55634		443	0.463	Authenticate	GrantType: client_credential Scope: OR.Machines OR.Robots OR.cense OR.Monitoring OR.AdR.Queues OR.Tasks	

Figure 8: UiPath REST Activity Details

4 Common Reveille for UiPath Use Cases

Reveille provides quick benefits for typical UiPath RPA use case scenarios; described below.

4.1.1 RPA platform environment use cases:

Is the UiPath platform operating correctly?

- Check the RPA system platform health.
- Check the RPA orchestrator health.
- Check if the RPA robot dependent target applications (web apps, mainframe apps, databases, etc) are available and responsive.

Are the UiPath databases in a good state?

- Check RPA databases operation, size, response and backup status.

Are there any RPA platform errors or exceptions?

- Check the UiPath execution and automation logs.

4.1.2 RPA operating environment use cases

Are the RPA Servers operating in a healthy manner and within service levels?

- Check RPA Servers operating metrics.
- Check RPA Server web server environment health.

Are all the Robots operating in a timely manner without exception?

- Check the robot operating status and for exception conditions.

How can we recover from RPA platform errors and remove processing bottlenecks?

- Trigger proactive actions to restart RPA services, RPA web server application pools, and other dependent services.

Is there unusual or suspicious RPA management console activity?

- Check the RPA management console user activity to detect and manage failed, unusual, or suspicious creation, deletion, or update transaction activity.

4.1.3 RPA resource and capacity use cases:

What is the UiPath server performance? What are the robot transaction levels? How can I plan for capacity? Are we ready to scale?

- Check RPA Server throughout.
- Check RPA Server CPU/Memory/Network performance.
- Check RPA Server free disk space.

Are RPA customer SLA's being met?

- RPA target application service levels.
- RPA operating service levels.
- On demand or scheduled SLA reporting.

Given a unit cost, what is the cost for an RPA machine to run robots?

- Dashboard metrics with unit cost for a given RPA machine unit cost rate.

How is the overall RPA environment performing? Is my license current?

- Check the RPA machine license status.
- Dashboard of RPA Server operating metrics.
- Dashboard of RPA target applications service levels.

5 Summary

Reveille for UiPath RPA, in conjunction with other Reveille infrastructure wizard tests, deliver unmatched, comprehensive monitors to track, diagnose, repair, and report the UiPath specific operational exceptions – with UiPath specific metrics and user behavior visibility. Reveille’s agentless approach provides controlled capabilities beyond other agent-based techniques focused just on transaction segment response times. Reveille for UiPath integrates with existing ITOM platforms (such as Splunk) and incident management systems (such as ServiceNow) to extend your existing IT investments. Thus Reveille’s data can be shared quickly with many common toolsets used across organizations, by managed service providers, and content services partners.

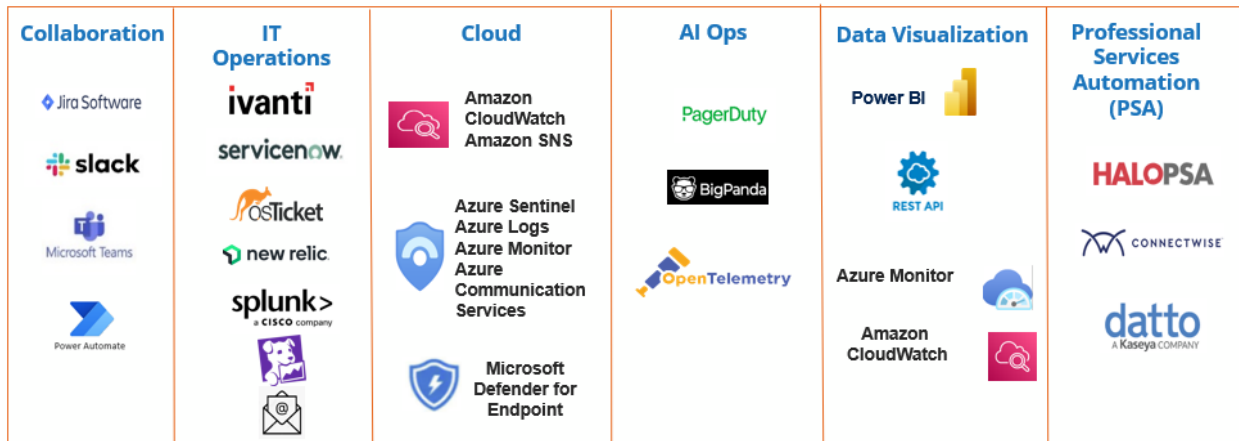


Figure 9: Reveille Connectors



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